

SECTION C
PERFORMANCE WORK STATEMENT
Revision 1

STATEMENT OF WORK
RAPID EQUIPPING FORCE SUPPORT SERVICES

C.1 GENERAL INFORMATION

C.1.1 SCOPE OF WORK - The purpose of this contract is to provide the U.S. Army Rapid Equipping Force (REF) the necessary services to increase design performance capabilities of existing or new systems utilizing Commercial Off the Shelf products (COTS), Non-developmental items (NDI) and /or emerging technologies.

C.1.1.1 LOCATION – The REF Headquarters is at Ft. Belvoir, VA. The tasks assigned under this contract can generally be performed at your facility but may involve some travel

C.1.1.2 HOURS OF OPERATION – You will establish your own hours of operation. You shall obtain prior approval from the Technical Point of Contact (TPOC) designated by the Contracting Officer before authorizing any overtime for your employees under a Time and Materials or Labor/Hour task order.

C.1.2 MISSION - The Mission of the REF is to provide Operational Commanders a source of timely, fully integrated solutions to enhance combat power and force protection, to evaluate and assess future force capabilities while informing Army stakeholders and remaining ahead of an adaptive enemy. The R stands for Rapid and that is what the REF is all about.

C.1.3 PERSONNEL - You shall provide a workforce possessing the skills, knowledge and training to perform the services required under this contract. You shall not employ any civilian or military employee of the U.S. Government if such an employment would create a real or apparent conflict of interest.

C.1.3.1 PERSONNEL SECURITY CLEARANCES - You shall apply for SECRET security clearances for any of your personnel not already cleared within 14 days of the contract start date. You shall apply with your cognizant Defense Security Office. An interim clearance may be granted pending final approval through the completion of a National Agency Check (NAC) by the Directorate of Industrial Security (DIS). It is your responsibility to assure that employees without the necessary clearance are not allowed access to classified information or to perform classified work without this approval.

C.1.4 QUALITY CONTROL - You shall implement a complete quality control program that is capable of identifying potential and actual problem areas encountered during performance and results in corrective action. Your Quality Control Plan shall be a part of the Management Plan required in Section C.5 of this performance work statement.

C.1.5 QUALITY ASSURANCE - Inspection and acceptance of your work shall be in accordance with the quality assurance procedures included in your task order. .

C.1.6 DISCLOSURE OF INFORMATION - You may be required to access data and information proprietary to another Government agency, another Government contractor, or of such a nature that its dissemination or use other than as specified would be adverse to our interest. Neither you nor your employees shall divulge or release data or information developed or obtained under this contract except to authorized Government personnel or upon written approval of the contracting officer. You shall not use, disclose or reproduce proprietary data that bears a restrictive legend. You shall obtain proper written approvals prior to releasing and information marked “PROPIN” (proprietary information). Under Title 18, Sections 793 and 798, you and your employees are liable for any improper release.

C.1.6.1 Disclosure of information regarding operations and services of the activity to persons not entitled to receive it, or failure to safeguard any classified information that may come to you (or any persons under the contractor's control) in connection with work under this work statement may subject you, your agent, or employees to liability under Title 18, Sections 793 and 798 of the United States Code. Neither you nor

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your employees will disclose, cause or allow to be disseminated any information concerning the operations of the activity which could result in, or increase the likelihood of, the possibility of a breach of the activities, security or interruption of the continuity of its operations.

C.1.6.2 You shall forward to the TPOC any inquiries, comments, requests or complaints referencing the services required under this contract.

C.1.6.3 Inquiries you receive for work performed under this contract shall be referred to the Government for evaluation under the Freedom of Information Act of 1975, Public Law 93-502, 5 U.S.C., Section 552. The determination of whether records will be released will remain with the Government. The contractor will be responsible for search and submission of records upon request by the Government.

C.2 STANDARD DEFINITIONS

Contracting Officer (KO). A person duly appointed with the authority to enter into and administer contracts on behalf of the government.

Government Furnished Property (GFP). All equipment, goods, and land possessed by the government and, subsequently delivered or otherwise made available to the contractor.

Quality Assurance. Those actions taken by the government to assure that the quality of purchased goods and services received are acceptable in accordance with established standards and requirements of the contract.

Quality Control. Those actions taken by the contractor to control the production of goods or services so that they meet the requirements of the contract.

Technical Point of Contact. A Government employee designated by the Contracting Officer to evaluate your work and make final acceptance and to respond to your technical questions.

C.3 GOVERNMENT FURNISHED PROPERTY – Any property, facilities or equipment to be provided by us will be listed in the individual task orders.

C.4 CONTRACTOR FURNISHED ITEMS – You will be responsible for providing all personnel, equipment, supplies and facilities to perform the tasks unless GFP is provided in the task.

C.5 SPECIFIC TASKS

You may be tasked to support the REF mission in the following functional areas:

a. Robotics - Areas of interest include engineering tasks associated with all aspects of unmanned ground and air robotic assets for the land-based war-fighter as directed by the REF project manager. Technology areas include, but are not limited to, new types of robotic vehicles, improvements to existing robotic vehicles, payloads and trailers for robotic vehicles, controller aspects, as well as applications of robotic vehicles. Examples of new robotic vehicles include disposable throwbots, various rotary and fixed-wing Unmanned Aerial Vehicles (UAV's), target drones, and towed air vehicles. Examples of controller aspects include Joint Architecture Unmanned Systems (JAUS) compliance issues and Advanced Robotic Controller (ARC) interface integration for UAV's. Examples of robotic application technologies include psy-op applications and autonomous mapping robots.

b. Communications - Areas of interest include engineering tasks associated with communications systems as they relate to the land based war-fighter and his assets. Investigations will include but not be limited to technologies such as full-duplex satellite Internet, integration opportunities with current and

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future radios, antenna improvements, video transmission, and options for digital voice transmission, interoperability, and security.

c. Command & Control - Command and control is an essential element of the art and science of warfare. This effort will investigate how emerging communication and information technologies can expedite the decision process and provide clear and accurate dissemination of commands. This may include reliable non-line-of-sight communications, software to enter and display text orders and graphics overlays via computer or personal digital assistant (PDA), as well as tools for battlefield visualization.

d. Power - Areas of interest include engineering tasks associated with power issues as they relate to the land based war-fighter and his assets. Investigations will include but not be limited to technologies such as batteries, battery adapters, vehicular power, harvesting found power and alternative energy sources.

e. Situational Awareness (SA) - Engineering tasks related to SA non-exclusively include such technologies as software, location sensors, navigation, and other equipment. Additionally this area includes, but is not limited to, the infrastructure that supports SA, e.g. communications, portable power sources, interface protocols, etc.

f. Sensors - Technical interests include tasks associated with sensors as they relate to the land based war-fighter and his assets. Investigations will include but not be limited to technologies such as Chemical, Biological, Radiological (CBRN) detectors, combat ID, explosives detection, vehicle and weapon cameras, laser range finders, mine detectors, perimeter sensors, portable biohazard sensors, remote sensing, Selective Availability Anti-Spoofing Module (SAASM) GPS, sensor fusion, thermal imaging, through wall sensors, and wireless cameras.

g. Weapons - Technologies of interest include, but are not limited to, the attachment of weapons systems on the Unmanned Ground Vehicle (UGV), trailer and UAV assets, novel applications of existing weapon systems such as M203 launcher arrays, and new and unique 40mm munitions such as bomblet and observation rounds. Also included are robotic weapon platforms, UGV explosive delivery techniques for IED destruction and force protection, and other weapons architectures.

h. Force Protection - Areas of interest include engineering tasks associated with force protection as they relate to the land based war-fighter and his assets. This will include but not be limited to investigation, prototyping, and related support in technologies or concepts such as sniper detection from the ground and air, IED detection, mitigation, protection and neutralization, Man Portable Air Defense System (MANPADS), personnel body armor, security, and medical/trauma treatment.

i. Other - This area covers all other engineering tasks for technologies of value to the land based war-fighter but not covered in the previously defined categories. Examples of such include, but are not limited to, embedded training, nutrition, Manpower and Personnel Integration (MANPRINT), and support for existing fielded systems (e.g. Raven UAV support).

j. Support Tasks

i. Technical Review/Analysis - The Contractor will provide qualified subject matter experts to objectively review and report on products, programs and research as requested by the REF project manager. This will include travel and participation in meetings, demonstrations, and conferences in support of this task. In addition detailed testing and technical analysis or computer simulations will be performed as necessary. The results of this review effort will be presented to the REF project manager in the form of a written report or presentation on a case-by-case basis.

ii. Prototyping - The Prototyping task will cover all fabrication. This includes but is not limited to electronics, mechanics, optics and software. Prototyping tasks will create or modify all

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software and/or hardware as necessary to support Technical Reviews, Technology Demonstrations, CONUS and OCONUS support tasks.

iii. Communications - Areas of interest include engineering tasks associated with communication systems as they relate to the land based war-fighter and his assets. Investigations will include but not be limited to technologies such as full-duplex satellite Internet, integration opportunities with current and future radios, antenna improvements, video transmission, options for digital voice transmission, interoperability, and security.

iv. Training - Activities under this task target unit leadership and subordinates facilitating a sustained unit training program focused directly on the system/ land based war-fighter interface and to include “train the trainer” concept; uses direct application of all organic system functions to include the tactical employment in all climatic extremes, complex or adverse terrain; focuses on preventative maintenance, troubleshooting, system sustainment, and immediate action.

v. Testing and User Evaluation and Validation- This task includes employment of systems in doctrinally correct settings with an appropriate threat and operational tempo. It covers activities which stress the land based war-fighter system interface, MANPRINT issues, and tactical employment of potential technologies against a variety of battlefield influences, threat levels, and man-made or existing obstacles in adverse or complex terrain. The task extends into the laboratory where systems are tested and evaluated for durability, dependability and performance over the full range of climatic and environmental extremes. Technologies and concepts are also tested to determine the level of interface with existing systems in the Force Structure to include Joint Operations.

vi. Demonstrations - This task includes activities related to the evaluation and demonstration of concepts, equipment and materials in support of REF directed events. This includes the Contractor or sub-contracting activities to provide for transportation, shipping and handling of demonstration materials, staffing of appropriate personnel, creation of physical prototypes, mock-ups, visual aids, videography, photography, documentation, analysis of results, physical facilities, equipment purchases, planning and reporting in conjunction with the demonstration events.

vii. Additional CONUS Support - The Contractor technical staff will travel within CONUS and support experimental and fielded equipment, except in the cases already covered under existing contract support or under the Demos, Training, or Testing/User Evaluation tasks. This support includes (but is not limited to) troubleshooting, debugging, and repair of hardware and software.

viii. Additional OCONUS Support - The Contractor technical staff will travel outside CONUS and support experimental and fielded equipment, except in the cases already covered under existing contract support or under the Demos, Training, or Testing/User Evaluation tasks. This support includes (but is not limited to) troubleshooting, debugging, and repair of hardware and software. The amount of travel required for OCONUS support may necessitate maintaining permanent staff in theater.

ix. System Engineering - The Contractor will provide systems engineering support to help provide the most effective solution the customer's technical problems. The Contractor's system engineers will take a global view of a problem, the land based war-fighter, his environment, his equipment, and the other systems and subsystems he interacts with. We will consider all the available technologies and perform the necessary research and analysis to evaluate and choose the best of the many possible solutions. The decision process and the results of the trades will be presented to the REF project manager in the form appropriate to the particular task.

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C.5.1 Program Management - You shall submit a Management Plan to the contracting officer within 30 days from contract award. The plan shall provide a unified management capability and structure that will ensure cost-effective and responsive support to REF. As a minimum, the plan will include:

C.5.1.1 Management Plan - Your management plan shall present your SOP for meeting task requirements in obtaining necessary personnel and other resources.

C.5.1.2 Security Plan – Your security plan shall include procedures for obtaining necessary clearances.

C.5.1.3 Quality Control Plan - You shall implement a complete quality control program that identifies potential and actual problem areas with corrective actions. This plan shall describe how the Quality Program will be conducted and describe the specific techniques and activities to be performed and their integration and development in conjunction with other specified related plans. The basic tenet of your plan is that you are responsible for quality.

C.5.2 Task Order Assignments – Task orders will be competed among the awardees. Award of a task order may be based on price or on best value. The basis for award will be established in the request for quote. If the task order is estimated at \$100,000 or less, we may issue the task to an individual contract holder based on technical qualifications revealed during the original competition. Based on the nature of the services required by the REF, proposals for task orders may be required in as little as 4 hours or at the most 5 days. Selection will be made promptly and the awardee may be required to start work within 24 hours with very rapid delivery.

C.5.3 Task Order Content – The task order will provide you with a definitive objective, our conditions for acceptance, any applicable GFP, required delivery, applicable documents and any other information required to propose and perform the task.

C.5.4 Deliverables – Most task orders shall require as a minimum a written report, addressing:

- the task to be accomplished.
- the methodology planned to perform the task
- the problems encountered in completing the task
- the corrective action taken to resolve the problems
- the final results of the task
- the lessons learned as a result of the task

All dates in the task order will be stated relative to the date of each task order award. Any other deliverables will be provided in the task order.

Monthly progress reports are due no later than the 15th of each month for all open task orders.

C.5.5 Use of the Contract – This contract is awarded in support of the REF; however other agencies may submit task orders with the approval of the REF and the contracting officer. These tasks must be related to the functional areas covered by the statement of work.